



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: WES4L, Special Detergent for Shaver Cleaning & Charging System

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Detergent for Shaver Blades

Uses advised against: No information

1.3. Details of the supplier of the safety data sheet

Name of supplier (importer): Panasonic Marketing Europe GmbH |
Department in Charge Panasonic Testing Center (PTC) |
Address Winsbergring 15, 22525 Hamburg, Germany |
Telephone number +49 (0)40 8549-0 |
e-mail address docmaster@eu.panasonic.com |
|

1.4. Emergency telephone number

[As above (working days, 9:00 - 16:00 hrs) or next toxicological information centre.]

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with EC No 1272/2008:

Not Hazardous

2.2. Label elements

In accordance with EC No 1272/2008:

Pictogram No Symbol

Signal word No Signal Word

Hazard Statements Not Classified under CLP criteria

Precautionary Statements

[Prevention] No precautionary phrases

[Emergency response] No precautionary phrases

[Disposal] No precautionary phrases

SECTION 3: Composition/information on ingredients**3.1. Substances or Mixtures** Mixtures**Product Name:** WES4L, Special Detergent for Shaver Cleaning & Charging System**Information on ingredients:**

Chemical name	CAS No.	EC No.	Concentration (wt %)	Classification	Specific Concentration limits
2-Aminoethanol	141-43-5	205-483-3	1.27	CLP/GHS: Acute Tox. 4; H302 H312 H332 Skin Corr. 1B; H314	STOT SE 3; H335: C ≥ 5 %
Alcohols, secondary C11-15, ethoxylated	68131-40-8	614-295-4	2.94	CLP/GHS: Eye Dam. 1; H318 Aquatic Acute 1 ; H400 Aquatic Chronic 3; H402	-
N, N-Dioctyl-N, N-dimethylammonium chloride	68424-95-3	270-331-5	0.59	CLP/GHS: Flam Liq. 3; H226 Acute Tox. 4; H302, 3; H311 Skin Corr. 1B; H314 Eye Irrit. 2A; H319	-
3-Iodo-2-propynyl butylcarbamate	55406-53-6	259-627-5	0.05	Acute Tox. 4; H302, 3; H331 Skin Sens. 1; H317 Eye Dam. 1; H318 STOT RE1; H372 Aquatic Acute 1 ; H400 Aquatic Chronic 1; H410	
Ethanol	64-17-5	200-578-6	0.07	Flam Liq. 2; H225	
2,2'-Oxydiethanol	111-46-6	203-872-2	4.80	CLP/GHS: Acute Tox. 4 ; H302	-
Poly(oxy-1,2-ethanediyl), α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	25322-68-3	500-038-2	9.80	CLP/GHS: STOT SE3; H335	-
Fatty acids, C14-18 and C16-18-unsatd	67701-06-8	266-930-6	3.13	-	-
Sodium nitrite	7632-00-0	231-555-9	1.96	CLP/GHS: Ox. Sol. 3; H272 Acute Tox. 3; H301 Aquatic Acute 1 ; H400	-
Disodium dihydrogen ethylenediaminetetraacetate	139-33-3	205-358-3	1.47	GHS: Comb. Liq. 4; H227 CLP/GHS: STOT RE2; H373 Acute Tox. 4; H332	-
Fragrance	-	-	0.49	-	-
L-lysine homopolymer	56-87-1	200-294-2	0.24	-	-
Silicone antifoaming agent	-	-	4.0	-	-
Water	7732-18-5	231-791-2	66.24	-	-

SECTION 4: First aid measures

4.1. Description of first aid measures

IF INHALED	If you feel unwell, get medical advice/ attention immediately and at rest. If symptoms continue, call a doctor/physician.
IF ON SKIN	Rinse with plenty of water. If symptoms continue, call a doctor/physician.
IF IN EYES	Immediately rinse cautiously with water for 15 - 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms continue, call a doctor/physician.
IF SWALLOWED	Without inducing vomiting, immediately get medical advice/attention. If mouth has been dirtied, clean with water.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Use water mist, dry chemical powder, fire foam or carbon dioxide depending on fire in surrounding area.

Unsuitable extinguishing media

No additional information available.

5.2. Special hazards arising from the substance or mixture

No additional information available.

5.3. Advice for firefighters

Take action from windward.

Keep out except responsible personnel.

Move container to a safe area if it can be done without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Stay away from leakage.

For emergency responders:

Keep out except responsible personnel. Wear suitable protective clothing.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

In case of spills, beware of slippery floors and surfaces. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

6.4. Reference to other sections

Refer to "SECTION 8: Exposure controls/personal protection" and "SECTION 13: Disposal considerations" as appropriate.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Protective measures:**

Install appropriate equipment and wear suitable protective apparatus described in "SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION".

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Advice on general occupational hygiene:

Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities**Technical measures:**

In the storage area, install adequate light and ventilation systems to handle materials.

Incompatible materials:

No additional information available

Conditions for safe storage:

Avoid sunlight. Store in a cool place.

Packing material:

Use a sealed container without damage or leakage.

7.3. Specific end use(s)

Cleaning agents

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Acceptable concentration (exposure limit, biological exposure index)**

OSHA PEL(2012)	6mg/m ³ , 3ppm (2-Aminoethanol)
EU IOELV Eight hours (2013)	2.5 mg/m ³ , 1 ppm (2-Aminoethanol)
EU IOELV Short-term (2013)	7.6 mg/m ³ , 3 ppm (2-Aminoethanol)
ACGIH TLV-TWA (2013)	3 ppm (2-Aminoethanol)
ACGIH TLV-STEL (2013)	6 ppm (2-Aminoethanol)

8.2. Exposure controls

Appropriate engineering controls:

Shower and eye washer should be available in the work area.

Under high temperature or in case of mist generation, use ventilation.

Personal protective equipment:

Respiratory protection	No respiratory protection is ordinarily required under normal conditions of use. Use appropriate equipment in response to the circumstances.
Hand protection	Use protective hand gloves under prolonged or repeated skin contact.
Eye protection	Wear safety glasses or full face shield if splashes are likely to occur.
Skin and body protection	Use long sleeved clothing under prolonged usage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance (physical state, form and colour)	White yellow viscous liquid
Odour	Fragrant odour
Odour threshold	Data not available
pH	9-10
Melting point/freezing point	Data not available
Initial boiling point and boiling range	Data not available
Flash point	Data not available
Evaporation rate	Data not available
Flammability (solid, gas)	Data not available
Upper/lower flammability or explosive limits	Data not available
Vapour pressure	Data not available
Vapour density	Data not available
Relative density	Approx. 1.0g/cm ³ (15°C)
Solubility (ies)	Easily soluble in water
Partition coefficient: <i>n</i> -octanol/water	Data not available
Auto-ignition temperature	Data not available
Decomposition temperature	Data not available
Viscosity	Data not available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal handling condition.

10.2. Chemical stability

Stable under normal handling condition.

10.3. Possibility of hazardous reactions

No hazardous reaction expected under normal handling.

10.4. Conditions to avoid

Avoid sunlight. Store in a cool place.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

Information on product:	“Not classified”
Acute Toxicity(Oral)	Toxicity wasn't observed single dose toxicity study(mouse test) : 2000mg/kg<Ld ₅₀
Skin Corrosion/Irritation	Not classified as a skin irritation (rabbit test :OECD TG404)
Serious Eye Damage/Irritation	Not classified as an eye irritation (rabbit test :OECD TG405)
Skin Sensitization	Not demonstrate dermal sensitisation potential in the local Lymph node assay.(OECD TG429) : Stimulation index<3.0

SECTION 12: Ecological information

12.1. Toxicity:

Information on product: “Not classified”

12.2. Persistence and degradability:

Information on product: More than 60%(80%) of Biodegradable (ISO 14593 CO₂Headspace test)

12.3. Bioaccumulative potential:

Information on product: No additional information available

Information on ingredients: No additional information available

12.4. Mobility in soil:

Information on product: No additional information available

Information on ingredients: No additional information available

12.6. Other adverse effects:

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste in accordance with applicable local, regional and international regulations and standards.

When disposing, consult to a certificated waste trader or local offices if they deal with the waste.

Used container should be recycled after cleaning or dispose of in compliance with related laws and local regulations.

Contents should be removed completely when dispose of empty containers.

SECTION 14: Transport information

14.1. UN number Not applicable

14.2. UN proper shipping name Not applicable

14.3. Transport hazard class(es) Not applicable

14.4. Packing group Not applicable

14.5. Environmental hazards Not applicable

14.6. Special precautions for user

When transporting, avoid direct sunlight. Confirm no leakage to containers. When loading, prevent containers from falling, dropping off or damaging. Take preventive measures of collapse.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/ legislation specific for the substance or mixture

The product and its ingredients are listed or in compliance at EINECS/ELINCS (EC),TSCA (USA) ,METI (JAPAN). And are not regulated by specific provisions related to protection of human health or the environment at EU level, e.g. not considered as SVHCs or POPs.

Section 16: Other information

Update history:

Date of issue: 21/04/2015 Ver.1
Ingredients Update 31/10/2016 Ver.2

References:

ACGIH, American Conference of Governmental Industrial Hygienists (2013) TLVs and BEIs.
Federal register Vol.77, No.58, March.26.2012 : Hazard Communication
OSHA Hazard Communication Standard, 29 CFR 1910.1200
Globally Harmonized System of Classification and Labelling of Chemicals (GHS) 5th revised edition,
UNITED NATIONS(2013)
National Institute of Technology and Evaluation (nite), "GHS Information"
ECHA : Registered Substance
Japanese Standards Association (JSA), JIS Z 7253:2012, JIS Z 7252:2014
Ministry of Economy, Trade and Industry, Chemical Management site.
Ministry of Health, Labour and Welfare, "Label and MSDS information for GHS model"
Guidance on information requirements and chemical safety assessment Chapter R.12:
Use descriptor system. Version:2, ECHA March 2010

Manufacturer information

Name of manufacturer in Japan:	Panasonic Corporation
Department in Charge	Appliances Company, Beauty and Living Business Division, Personal Care Products Department
Address	2-3-1-2 Noji-Higashi, Kusatsu-city, Shiga 525-8555 Japan
Telephone number	+81-77-563-1960
Fax number	+81-77-563-5936
Office hours	9:00~17:30(JST), Mon.~Fri. , Language : Japanese only.

[Disclaimer]

This SDS has been prepared based on the best available information however, it may not be sufficient in some cases. It is user's responsibility to modify or update any contents in this SDS regarding information on hazardous properties and/or instruction for safe handling of the product when they become available. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.